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## ②國玄東華大學

# 教學計劃表 Syllabus

課程名稱 Course Name		環境經濟學			學年/學期 Academic Year/Sem	113/2		
課程名稱(英文) Course Name in English		Environmental Economics						
科目代碼 Course Code		IIE_56100	系級 Department & Year		開課單位 Course-Offering Department		經濟學系	
修. TyI		選修 Elective	學分數/時戶 Credit(s)/Hou	0/3.0	3.0			
授課: Instru		/林慧菁						
	先修課程 Prerequisite							
		課	程描述 Cours	e Descrip	tion			
		境經濟議題的期 估環境保護政策		獻,使同學	學瞭解當前的環境保證	養政策背	後的經濟理念,	
		課	程目標 Cour	se Object:	ives			
介紹當前的環境經濟政策之理論架構與分析方法,如:environmental philosophy and ethics, markets and efficiency, the valuation of environmental amenities, pollution regulation, policy options and analysis; and international issues。								
課程目標與系專業能 力相關性 《A專業能力 Basic Learning Outcomes Basic Learning Outcomes								
數理分析能力:通曉經濟學的進階理論技巧,應用數學與賽局解決經濟議題的能力。  A Mathematical analysis skills: Mastering in intermediate application of mathematical theories and game theory in analyzing economic issues.								
實證經濟分析能力:通曉經濟學的進階實證技巧,善用資訊科技進行資訊蒐集、資料統計與計量 分析。Empirical analysis skills: Mastering in intermediate application of statistics and econometrics in data collection and examination								
微觀經濟之闡釋能力:通曉進階個體經濟學相關的理論與應用。Microeconomic perspective: C Thorough understanding of intermediate microeconomic theories and relevant application								
宏觀經濟之闡釋能力:通曉進階總體經濟學相關的理論與應用Macroeconomic perspective:  Thorough understanding of intermediate macroeconomic theories and relevant application								
自我調整適應社會之能力:具備適應現代社會的學養以及就業能力。Employment  E opportunities: capabilities of working on important policy and decision challenges in business and government								
	溝通表達能力:思路清晰,有能力與人溝通並撰寫進階專業研究報告。Communication skills: F Having a clear mind and capability in writing an intermediate professional academic							
圖示說明Illustration : ● 高度相關 Highly correlated ○中度相關 Moderately correlated								
授 課 進 度 表 Teaching Schedule & Content								
週次Week 內容 Subject/Topics						備註Remarks		
1 開學週課程介紹								

Hanley: the Economics Perspective on the Environment (Ch 1)

2

	Hanley: (Ch 1),	
3		
0	Issues and Trend:	
	Tim Jackson, Prosperity Without Growth, 2009, 2017	
4	Issues and Trend: (continued) D. A. Underwood (1998), "The institutional origins of crisis for	
	economy and ecology",	
	Journal of Economic Issues, 32(2), 513-522.	
	Dill Cham (2001) "Facaratics and the anticoment A land othic	
	Bill Shaw (2001), "Economics and the environment-A land ethic critique of economic policy",	
	Journal of Business Ethics, 33, 51-57.	
	Issues and Trend: (continued)	
	John M. Gowdy (2004), "The Revolution in Welfare Economics and Its Implications for Environmental Valuation and Policy",	
	Land Economics, 80(2), 239-257.	
5	Paul R. Portney(2000), "Environmental Problems and Policy: 2000-2050",	
J	The Journal of Economic Perspectives, 14(1), 199-206.	
	optional: Brian R. Copeland; M. Scott Taylor (2004), "Trade, Growth, and the	
	Environment",	
	Journal of Economic Literature, 42(1), 7-71.	
6	Basic Concepts:Market Failure (Hanley Ch 2)	
7	Basic Concepts:Market Failure (Hanley Ch 3)	
	The Problem of Social Cost	
8	R. H. Coase Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp.	
	1-44.	
9	1-44. 期中考試週 Midterm Exam	Take-home exam, due
9	期中考試週 Midterm Exam	Take-home exam, due next week in class
9	期中考試週 Midterm Exam  The Problem of Social Cost:	
	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.	
	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and	
	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe	
	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975),	
	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe	
10	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975), pp. 660-661.  The "Coase Theorem": A Reexamination	
10	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975), pp. 660-661.  The "Coase Theorem": A Reexamination G. A. Mumey	
10	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975), pp. 660-661.  The "Coase Theorem": A Reexamination	
10	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975), pp. 660-661.  The "Coase Theorem": A Reexamination G. A. Mumey The Quarterly Journal of Economics, Vol. 85, No. 4. (Nov., 1971), pp. 718-723.  Information: (Ch 2, p. 43-57)	
10	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975), pp. 660-661.  The "Coase Theorem": A Reexamination G. A. Mumey The Quarterly Journal of Economics, Vol. 85, No. 4. (Nov., 1971), pp. 718-723.  Information: (Ch 2, p. 43-57) Information and the Coase Theorem	
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10	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975), pp. 660-661.  The "Coase Theorem": A Reexamination G. A. Mumey The Quarterly Journal of Economics, Vol. 85, No. 4. (Nov., 1971), pp. 718-723.  Information: (Ch 2, p. 43-57) Information and the Coase Theorem Joseph Farrell	
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10	期中考試週 Midterm Exam  The Problem of Social Cost: R. H. Coase, "The Problem of Social Cost", Journal of Law and Economics, Vol. 3, Oct., 1960 (Oct., 1960), pp. 1-44.  and comments  The "Coase Theorem": A Reexamination—Comment Jeffrey F. Jaffe The Quarterly Journal of Economics, Vol. 89, No. 4. (Nov., 1975), pp. 660-661.  The "Coase Theorem": A Reexamination G. A. Mumey The Quarterly Journal of Economics, Vol. 85, No. 4. (Nov., 1971), pp. 718-723.  Information: (Ch 2, p. 43-57) Information and the Coase Theorem Joseph Farrell The Journal of Economic Perspectives, Vol. 1, No. 2. (Autumn, 1987), pp. 113-129.  and Externalities: Externalities: Decentralization, Externalities, and Efficiency	
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	Externalities and Asymmetric Information Jeremy Greenwood; R. Preston McAfee						
14	The Quarterly Journal of Economics, Vol. 106, No. 1. (Feb., 1991),						
	pp. 103–121.						
	and Porter's Hypothesis						
	Regulation and innovation: (Porter's Hypothesis) Tightening Environmental Standards: The Benefit-Cost or the No-Cost						
	Paradigm?						
	Karen Palmer; Wallace E. Oates; Paul R. Portney The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn,						
15	1005) pp. 110–132						
	Toward a New Conception of the Environment-Competitiveness						
	Michael E. Porter; Claas van der Linde The Journal of Economic Perspectives, Vol. 9, No. 4. (Autumn,						
	1995), pp. 97-118.						
	Pollution Control Polic (Porter's Hypothesis) A theoretical foundation of the Porter hypothesis	Final take-home exam					
16	Stefan Ambec and Philippe Barlac Economics Letters	will be posted					
	Volume 75, Issue 3, May 2002, Pages 355-360	給期末考題目					
17	期末老計測 Final Evam						
11	2. hand in your take- home final exam						
	期末考試週 Final Exam	1. Oral presentation					
18	(期末口頭報告)(交take-home exam)	2. hand in your take-					
		home final exam					
	教學策略 Teaching Strategies						
✓ 課堂講	授 Lecture	Field Trip					
其他Mi	scellaneous:						
	教學創新自評Teaching Self-Evaluation						
創新教學(	Innovative Teaching)						
問題導	向學習(PBL)	문習(SBL)					
翻轉教	室 Flipped Classroom						
社會責任(	Social Responsibility)						
在地實	踐Community Practice	ion					
跨域合作(	Transdisciplinary Projects)						
	學Transdisciplinary Teaching	,					
業師合	授 Courses Co-taught with Industry Practitioners						
其它 othe	r:						
1							

學期成績計算及多元評量方式 Grading & Assessments									
配分項目	配分比例 Percentage	多元評量方式 Assessments							
Items		測驗 會考	實作 觀察	口頭 發表	專題 研究	創作 展演	卷宗 評量	證照 檢定	其他
平時成績(含出缺席) General Performance (Attendance Record)	10%		<b>~</b>						
期中考成績 Midterm Exam	30%	>							
期末考成績 Final Exam	30%	~							
作業成績 Homework and/or Assignments	30%			<b>~</b>					口頭報告後並繳交 學其報告1篇
其他 Miscellaneous									

評量方式補充說明

Grading & Assessments Supplemental instructions

期末報告一篇,期中、期末考(take-home exam)。

期末報告:佔30%,

期中、期末考:各佔30%,

平時成績:佔10%

## 教科書與參考書目(書名、作者、書局、代理商、說明)

Textbook & Other References (Title, Author, Publisher, Agents, Remarks, etc.)

#### 參考資料(教科書)

Hanley, N., J. F. Shogren and B. White, 1997, Environmental Economics: in Theory and Practice, Oxford University Press. (代理商未知,如無法買到,可能以印講義方式或以替代教材處理)

參考資料:將於課前通知,如有可能將放在網頁上供同學下載。

Freeman, A. M., III, 1993, The Measurement of Environmental and Resource Values, Washington DC: Resources for the Future.

Dorfman, R. and N. S. Dorfman, eds., 1993, Economics of the Environment: Selected Readings, 3rd Edition. New York: Norton.

等等……

## 課程教材網址(含線上教學資訊,教師個人網址請列位於本校內之網址)

Teaching Aids & Teacher's Website(Including online teaching information.

Personal website can be listed here.)

http://faculty.ndhu.edu.tw/~hclin/index.html

## 其他補充說明 (Supplemental instructions)